

POST INSPECTION MEMORANDUM

Inspector: Kuang Chu/WUTC 4/23/2012

Reviewed: Joe Subsits/WUTC, 4/24/2012

Follow-Up Enforcement: No Violations

PCP* PCO* NOA WL LOC

Director Approval* _____

Date: April 23, 2012

Operator Inspected: Northwest Pipeline Corp (WGP) **OPID:** 13845 **Region:** Western

Unit Address:

22909 NE Redmond Fall City Road
Redmond, WA 98053

Unit Inspected: Redmond

Unit ID: 3675

Unit Type: Interstate

Inspection Type: I01 - Unit Inspection, I07 – IMP Field Verification & Follow-up, and I08 - OQ Field Verification

Record Location: Redmond

Inspection Dates: 4/9/2012 through 4/13/2012

AFOD: 5 (I01 – 4.0, I07 – 0.5, and I-08 – 0.5)

SMART Activity Number:

Operator Contact: Dustin Wallis

Phone: 801-584-6599

Fax: 801-584-6344

Emergency: 800-972-7733

Unit Description: The Redmond District extends from valve 16-6 near the Skookumchuck River at MP 1310 to the south, and the Lake Stevens Meter Station to the north. North and South Seattle, Monroe, Tacoma, Olympia, and Grays Harbor are the laterals in the District.

Facilities Inspected: The inspection was conducted in Redmond office by using Inspection Assistant (IA). A total of 247 planned questions were answered. These questions included procedures, records, field inspections, field IMP verification and follow-up, and field OQ inspection. Field inspections included all three compressor stations at Snohomish, Sumner, and Tumwater south of Olympia. Field visits were made to North Seattle, South Seattle Williams/PSE gate stations, Covington Creek span, Issaquah Highlands north of Highway I-90, Boeing Meter Station, Yelm Meter Station, and Rainier take-off for Grays Harbor and Olympia Laterals.

Various mainline block valves were inspected and partially operated along the right-of-way. Almost all rectifiers were inspected and pipe to soil potentials were taken at the compressor stations and meter stations. A few test points and casings were inspected along the right-of-way and pipe-to-soil potentials were taken. The North Seattle Lateral, South Seattle Lateral, Boeing

Meter Station, and Yelm Meter Station relief valves were tested. Many fire eyes, gas detectors and ESD's were tested at all compressor stations and all operated as designed.

Persons Interviewed:

Grant Jensen	District Manager
Frances Roemer	Assistant District Manager
Ron Mertz	Senior Operations Technician
Dustin Wallis	Pipeline Safety Engineer
Justin Reynolds	Pipeline Integrity Team Lead
Mike Wolfe	Pipeline Integrity Specialist

Probable Violations/Concerns: No probable violations noted.

Recommendations: Continue inspecting district in accordance with normal inspection cycle.

Comments: The 8" North Seattle leaked at MP 8 during a hydrotest in 2011. The leak was caused by a through-wall crack on the pipe. The pipe wall thickness is 0.188", API 5L grade X-42 material. The MAOP is 741 psi corresponding to 40% SMYS. The hydrotest pressure when the leak occurred was 1,339 psi (73% SMYS). The failure mode was classified as near neutral circumferential SCC. A section of 300 feet was replaced. The operator will retest the line in 7-year interval as part of the IMP for this line.

Attachments:

Field Data Collection Form
Western Region Unit Information Form

Version Date: 5/5/08